

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION5 Entitled : A DRUM, IN PARTICULAR A DRUM FORMING A  
TURBOMACHINE ROTOR, A COMPRESSOR, AND A  
TURBOSHAFT ENGINE INCLUDING SUCH A DRUM10 Inventors : MONS Claude  
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## 15 ABSTRACT OF THE DISCLOSURE

The drum of the invention is generally in the form  
of a body of revolution about a longitudinal axis, being  
made of a metal alloy and extending between an upstream  
20 end and a downstream end along a curved profile capable  
of being circumscribed in an annular envelope extending  
around said longitudinal axis, said profile extending  
radially about a surface of revolution presenting a  
generatrix line, said downstream end being provided with  
25 a stiffener. In characteristic manner, said stiffener is  
provided with at least one composite assembly mounted on  
said downstream end, said composite assembly comprising  
fibers and a polymer matrix. The drum is preferably for  
use in constituting a rotor of a low pressure compressor.

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